



Definition of Spinal Cord Injury

For the purposes of the Model Systems' program, a case of spinal cord injury is defined as the occurrence of an acute traumatic lesion of neural elements in the spinal canal (spinal cord and cauda equina), resulting in temporary or permanent sensory and/or motor deficit. The clinical definition of spinal cord injury excludes intervertebral disc disease, vertebral injuries in the absence of spinal cord injury, nerve root avulsions and injuries to nerve roots and peripheral nerves outside the spinal canal, cancer, spinal cord vascular disease, and other non-traumatic spinal cord diseases.

Essentially, traumatic cases would involve an external event to trigger the injury rather than disease or degeneration.

COMMENT: This definition is a slightly modified version of the CDC's case definition. The CDC includes "temporary or permanent sensory or motor deficit, bladder dysfunction, or bowel dysfunction" and also excludes birth trauma. However, for the model systems, an ASIA E (normal sensory and motor function) on admission would not be eligible even if bowel or bladder dysfunction existed.





Eligibility

The following criterion applies to participants who are admitted to the model system on or after January 1, 2005.

Inclusion Criteria for Form I and Registry:

- 1. Presence of an external traumatic event that results in a spinal cord injury, including surgical procedures, radiation, and medical complications.
- 2. Temporary or permanent loss of sensory and/or motor function as a result of the traumatic event.
- 3. Admission to the system within one year of injury.
- 4. If patient is discharged from System Acute as Minimal Deficit or Recovered, they must be hospitalized in the system for at least one week before discharge.¹
- 5. Discharge from the system as:
 - a. Having completed inpatient acute rehabilitation²,
 - b. Achieving a neurologic status of normal or minimal deficit.
 - c. Deceased
- 6. Signed informed consent and HIPAA authorization forms³.
 - ♦ HIPAA Authorization is not required for research on deceased persons

Additional Criteria for Form I Inclusion:

- 1. Reside in the geographic catchment area of the system at the time of the injury. Patients may be injured outside of the catchment area.
- 2. A US citizen or non-US citizen who is expected to stay in the catchment area.

The above criteria do not apply to patients who 1) are discharged as deceased or 2) achieved a neurologic status of normal or minimal deficit.

Exclusion Criteria⁴ for Registry and Form I:

- 1. Must not have previously been treated at another model system for the injury.
 - ♦ Ensures that patients are enrolled into the database by only one model system.
- 2. Must not have completed an organized rehabilitation program prior to the admission to the system.

NOTES:

¹This ensures their condition is significant and requires at least one week's hospital care. One week hospitalization is not required if patient dies in acute medical unit.

² Completion of rehabilitation is defined as finishing the prescribed course of inpatient rehab which may lead to a less intensive course of rehab (such as outpatient rehab), but does not include being transferred to another rehab facility for continued care. Discharges against medical advice are not considered 'completed'.

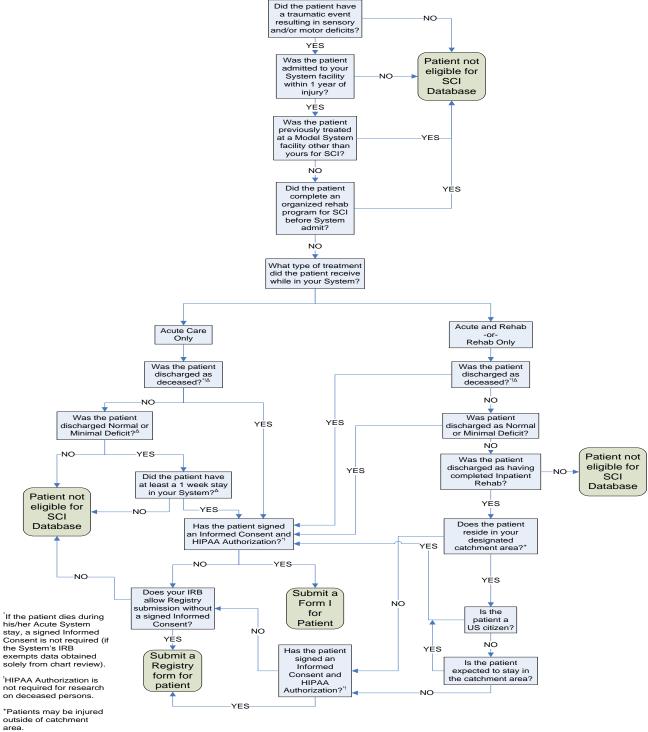
³ Some systems' IRB may not require these forms for the Registry patients, data obtained from the deceased, or both.

⁴ A prior history of spinal cord injury or other medical conditions (i.e. spinal stenosis, stroke, traumatic brain injury...etc) does not preclude individuals from being included in the database as long as an external/traumatic event could be identified as a cause of the NEW injury and further neurologic deficit.





NSCISC Eligibility Criteria Flow Chart



area.

^Form II follow-up is not

[^]Form II follow-up is not required for patients discharged as deceased, Normal, or Minimal Deficit.